

ABSTRACT

A bumper beam extension for a bumper beam having left and right bumper beam extensions and a method for manufacturing the bumper beam extensions to provide impact crush resistance is disclosed. The bumper beam extensions include an insert end contoured and sized to fit in the end of the bumper beam and a main body portion having substantially a rearwardly facing saddle shape that includes an upper wing and a lower wing joined at a bight section. The main body portion is blow molded to configure the bight section to taper from a preselected distance from a forward wall of the main body portion until it is face to face with the forward wall. For increased stiffness, the bumper beam may be welded to a frame of a vehicle.

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